

Natural Heritage & Endangered Species Program
MA Division of Fisheries & Wildlife
Route 135, Westborough, MA 01581
(508) 792-7270 x 165

RARE PLANT OBSERVATION FORM

OBSERVER INFORMATION

Observer's Name, Address, and Phone:

Arthur Haines
Woodlot Alternatives, Inc.
122 Main Street, Number 3
Topsham, ME 04086

207-729-1199

Species Scientific Name:

Salix serrisima

NHESP Element Occurrence Number (if known):

Observation Date: 28 June 1999

Today's Date: 2 December 1999

LOCATIONAL INFORMATION

- a) USGS Quad Name and Series (7.5"x7.5" or 7.5"x15"): Great Barrington, 1:25,000
County: Berkshire
Town: Sheffield

- b) Directions to location of observations (please attach USGS map):

Drive to the end of the Brush Hill Road (past Three-mile Pond) to a gate. Walk through gate and along a single-lane gravel road ca. 100 meters and turn right (east) and walk out into circumneutral meadow. Salix serrisima is scattered throughout rich areas of meadow.

Approximate UTM - 46679225 N, X 0640810 E

c) Habitat: (plant communities, associated vegetation, physical characteristics, geological features, surrounding land use.

Are other rare species present?)

Circumneutral Meadow, growing with *Solidago discolor*, *Pentaphylloides floribunda*, *Arenaria glauca*, *Carex flava*, *Carex conoidea*, *Carex retrorsa*, *Daedelina umbellata*, *Eriophorum viride carinatum*, *Geum rivale*, and *Muhlenbergia glomerata*.

Due to Agricultural use of adjoining fields species like *Lolium pratense*, *Rudbeckia hirta* var. *purpurea*, *Trifolium pratense*, *Anthoxanthum odoratum*, and *Galium mollugo* are invading meadow.

POPULATION INFORMATION:

Population found? (Y/N):

If No, is population presumed extirpated and why?

If Yes,

Number of mature plants: ca. 50

Number of immature plants:

Number of plants age unknown:

Population area (give unit of measurement):

50 x 20 Meters

Percent of population:

in leaf: 60%

in bud:

in flower:

with immature fruit:

mature fruit: 40%

senescent:

Observations of floral visitors, fruit dispersers:

No one observed (past flowering, fruits wind dispersed)

Vigor of individuals and population:

Vigorous

Evidence of expansion or decline:

None observed

Have you observed this species at this site in previous years?

Please give details: No

SITE PHYSIOGRAPHY

Elevation: 285 meters

Topographic position (crest, upper slope, mid slope, lower slope, bottom?):

Aspect (north, south, east, west, flat?):

Slope (0-20 degrees, 20-45 degrees, 45-75 degrees, vertical?):

Light (open, filtered, shade?):

Moisture (inundated, wet, mesic, dry, xeric?):

Soil types: Mineral Soil Overlain by Organic

Surficial rock types (with percent of ground covered):

None observed

Bedrock/parent material:

Unknown

Surficial water (distance away and source):

25 meters - Marshes continuous with the north end of Three Mile Pond

MANAGEMENT/OWNERSHIP: Unknown

MNHESP Site Name (if any):

Managed Area (if any):

" "

Comments/Management recommendations:

Disturbance or threats (natural or unnatural) to population:

Mowing of field to remove woody plants

Land Owner's Name, Address, and Phone: Unknown

Ownership Comments:

ELEMENT OCCURRENCE (EO) SUMMARY

(Circle one choice in each category)

EO Quality

How representative is this occurrence? Consider the size and

productivity of the population and the vitality and vigor of the individuals.

A - Excellent B - Good C - Marginal D - Poor

Comments: Moderate sized population

EO Condition

Is the habitat supporting the EO pristine or degraded? Is there a potential for the habitat to recover from disturbances?

A - Excellent B - Good C - Marginal D - Poor

Comments: Exotic herbs present in Meadow; surrounding land use indicates Agriculture and provides a source of non-native propagules.

EO Viability

What are the long-term prospects for continued existence of this occurrence at the indicated level of quality?

A - Excellent B - Good C - Marginal D - Poor

Comments: If meadow is not cleared in future and other woody competitors are excluded — If these conditions are not met EO viability rank may be lower.

EO Defensibility

Can this occurrence be protected from extrinsic human factors?

A - Excellent B - Good C - Marginal D - Poor

Comments:

EO RANK

A summary of all factors listed above.

A - Excellent B - Good C - Marginal D - Poor

Comments:

ADDITIONAL COMMENTS (if any) It is unknown how long Circumneutral Meadow has existed. Both agricultural clearing and earthdike at Southern end of Three Mile Pond (raised water level) may have contributed to creation of meadow and neighboring circumneutral Shrub Swamp.

CERTIFICATION

I hereby certify under pains and penalties of perjury that the information contained in this report is true and complete to the best of my knowledge.

Signature:



Date: 2 December 1999

Please submit form, a copy of a USGS topo map showing plant location, and all supporting documentation to the State

Botanist at:

Massachusetts Natural Heritage & Endangered Species Program
Division of Fisheries & Wildlife

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Westborough, MA 01581

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Thank you for contributing to the Natural Heritage & Endangered Species Program database. Your efforts are valuable and appreciated.

